Serial No.: 09/423,916

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REMARKS

Favorable action on the above-identified patent application, as a respectfully requested.

This Amendment is in response to the Office Action dated Fall and 16-30, and 33-46 are currently pending in this application. Claims cancelled, and claims 14, 15, 31 and 32 are cancelled herein. Claim claims, only claim 46 is independent.

In the Office Action, claim 30 was rejected as being indefinite of second paragraph, for failing to particularly point out and distinction which applicant regards as the invention. Specifically, the Exemielastically damped" is unclear. Accordingly, claim 30 is amended material and said second material are rigidly connected to each other thrust loading" to further clarify the invention. Support for this car. " at page 15, lines 27-28.

In the Office Action, claims 14-39, 44 and 45 were rejected being obvious over Tigliev (US 5,609,316) in view of Marcola Co VanAuken (US 4,047,731); claims 40 and 41 as being in further view of VanAuken and in further view of Yamanahi et 42 as being obvious over Tigliev in view of Motoda, in finiter view view of Hoppl et al. (US 3,637,233). The rejection of the chains of traversed.

In rejecting the claims, the Examiner cited Tighten in control newly cited Van Auken. The rejection relies on Tight and plurality of support members (30, 34, 40) which are stress-free connection between the adjacent parts of the stress of the s

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does not specifically disclose tubular support members. There is a second of the secon Motoda for its teaching of a support member (36) that is not to However, the nature of the internal structure is never described states, Motoda, either alone or in combination with Tigliev, Combination support member[s] with first and second concentric tubes having a substantially different moduli of elasticity." Therefore Auken for its teaching of "first (the aluminum core) and server surrounding reinforced plastic) that are rigidly connected to elastically damped."

It is respectfully submitted that Van Auken, either the submitted the submitted that van Auken, either the submitted t and/or Motoda, does not teach or suggest:

> "first and second concentric tubes form materials, respectively, wherein one materials is fiber-reinforced plastic, an second materials is metal with a comm elasticity relative to that of said one materials"

as required by independent claim 46.

The inventive support members are formed of "The of first and second materials" where one of "said first and example aluminum. Another of "said first and second "

The invention, according to claim 46, clearly sign specification at page 4, lines 7-9, which reads: "One many strength stand tubes made of fiber composites by combined another supporting material having a substantially diff elasticity."

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See, also, the specification at page 4, line 27, through a

"...[T]he combination according to the combination of tubular parts, such as a second which is cemented to an inner or outer people of the could even be ... an aluminum tube to will tube is cemented so that it becomes (metal/plastic or plastic/metal, or company repeatingthe two materials)."

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As stated on page 5, lines 15-17 of the specification plastic material. This is then wrapped by a fiber material lines 17-18. As shown in Fig. 3, fibers 98 are wound accomposite tube (97a). The "fiber-reinforced tube" taught composite tube 97a of the invention. However, the span 97a is combined with an aluminum tube 97b or with another modulus of elasticity." See the specification at page 15.

As is clearly shown in Fig. 4, the composite was concentric alignment with tube 97b, which may be, for

In contrast, Van Auken merely teaches a single reinforced plastic gore. Van Auken discloses "the tube" thereof a fiber-reinforced plastic skin." See column 2. wrapped with a gore (31). See column 3, lines 29-30 there is no teaching or suggestion in Van Auken the is concentric with a second tube, and the second tube elasticity with respect to the first tube.

There is no teaching or suggestion in Van Ambound of first and second materials, respectively, was is fiber-reinforced plastic, and another of said first and said

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comparatively low modulus of elasticity relative to that of the materials," as required by claim 46.

Furthermore, nowhere does the combination of Tissunggest "at least one interface divides at least one of said of support member segments" as required by claim 46.

Fig. 2 shows examples of interfaces 96a, 96b, and into a pair of support member segments. For example, segments 1a and 1b. See, also, the specification at page interfaces 96 may divide axially aligned support members segments.

Nowhere does the prior art teach or suggest "at least said plurality of support members into a pair of support 46.

Applicants respectfully submit that the prior and specific combination of features set forth in claim 46 and

Accordingly, it is respectfully submitted that all combination of Tigliev, Motoda and Van Auken. A of the invention would not arrive at the invention as a skilled in the art would not arrive at

"at least one of said plurality of support concentric tubes formed of first and serior of said first and second materials is first first and second materials is metal with relative to that of said one of said first. u p**air**

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"at least one interface divides at least one into a pair of support member segments."

as required by claim 46.

As claims 16-30 and 33-45 ultimately depend from are not rendered obvious by the prior art of record. His of the claims under 35 U.S.C. 103(a) be withdrawn.

The indication of allowable subject matter in classification is being requested herein with research at the subject matter in classification of allowable subjec

In view of the foregoing, it is respectfully subthe Office Action has been made. The claims, as amer
for allowance. Early and favorable action is respect?

It is also submitted that no fees are required. It authorized to charge any fees due as a result of this Arthur undersigned.

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By:___

Date: May 23, 2003

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